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(54) Title: DETECTION OF DEMYELINATION

(57) Abstract: The present invention relates to a method for the detection of demyelination in a mammal, comprising providing an NMR spectrum of metabolites in a body fluid of an individual of said mammal in which demyelination is suspected and comparing said NMR spectrum with a difference profile, comprising a plurality of NMR spectral line positions, which express the normalized difference between one or more NMR spectra of metabolites in a body fluid of one or more healthy individuals of said mammal, and one or more corresponding NMR spectra of metabolites in a corresponding body fluid of one or more individuals of said mammal in which demyelination has been diagnosed. The invention further relates to the said difference profile for the detection of demyelination in a mammal and to methods for the manufacture thereof. The invention also relates to a biomarker for detection of demyelination, in particular multiple sclerosis, characterized in that the biomarker is a polar head group of phosphoglyceride and to the use of that biomarker in detection of demyelination and multiple sclerosis.

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